

What's New in MIL-STD-3014 - MiDEF - July 2011 Update

MIL-STD-3014 CH3 Has Been Released!

Change 3 of MIL-STD-3014 was released on 8 July 2011, and is now downloadable as a PDF file from ASSIST or from this site.

As referenced in the March 2011 Site Update, CH3 updates MIL-STD-3014 reflect the changed URL of this website, which is referenced in twelve places in the standard.

In addition to the URL update, CH3 includes the following editorial items:

- The term "MiDEF" is defined in paragraph 3.1.5, and the acronym in 3.2
(This term is in common use, and so was deemed worth defining)
- The standard now provides a standards document reference for "ASCII" in 5.1.e
- Note: Paragraph 3.1.4.1 shows a change bar for CH3, but it was *not* changed!

Note: Only two registries required changes with this update. The following registries were unchanged; the following most recent previous release remains valid:

- Concatenated Registry 110302.pdf
- Module Registry 110304.pdf
- User Type Registry 110304.pdf
- 3014 CreatorOrg - format Jan07.pdf
- 3014 CodeType - format Jan07.pdf
- 3014 AuthType - format Jan07.pdf

Changes to the Primitives – 1760 Registry:

This registry was effectively copied out of MIL-STD-1760. A couple of columns were added to MIL-STD-1760 data, to identify MIL-STD-3014 Class Codes and data sizes. Additionally, MIL-STD-3014 added a "Clarification for MIL-STD-3014" column to address MIL-STD-3014 application of these data types.

In the lower section of this registry, entitled "Registry of Generic Primitive Elements Derived From Linear Data Entities List of MIL STD 1760", this column's entries for linear data entities with a 2's Complement bit format were inconsistent with the (correct) MSB and LSB values copied out of MIL-STD-1760, and confusing.

Therefore, for 2-s Complement Class Codes (233, 236, 237, 239, 241, 243, 245, 246, 248, 250 and 251), the entries in the Clarification column were changed to properly align them with the LSB and MSB columns. All those entries now define a plus-to-minus span for the data type, in conventional units, to aid users in interpreting and selecting appropriate Class Codes.

Changes to the Primitives – Other Registry:

One new “General” primitive has been added:

Background: This Class Code carries a military identification number for some targets a weapon may attack. Weapons do not typically process this target identification internally, but network-enabled weapons may need to store this target identification for re-transmission in their data linked status reports.

Class Code 394 (hex 18A) TARGET JDPI 5 bytes in size

“36-bit ID number (Joint Designated Point of Impact) of the target/aimpoint being attacked, aligned to LSB of the 5-byte field”

Bit definition, Byte 1:	Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7
Data:	0	0	0	0	bit 0 (MSB)	bit 1	bit 2	bit 3

Bit definition, Byte 2:	Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7
Data:	bit 4	bit 5	bit 6	bit 7	bit 8	bit 9	bit 10	bit 11

Bit definition, Byte 3:	Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7
Data:	bit 12	bit 13	bit 14	bit 15	bit 16	bit 17	bit 18	bit 19

Bit definition, Byte 4:	Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7
Data:	bit 20	bit 21	bit 22	bit 23	bit 24	bit 25	bit 26	bit 27

Bit definition, Byte 5:	Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7
Data:	bit 28	bit 29	bit 30	bit 31	bit 32	bit 33	bit 34	bit 35 (LSB)